

Recombinant Full Length Human CAPN14 Protein, GST-tagged

Cat. No. CAPN14-1748HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human CAPN14(1 a.a. - 508 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	508 amino acids
Description	Calpains are a family of cytosolic calcium-activated cysteine proteases involved in a variety of cellular processes including apoptosis, cell division, modulation of integrin-cytoskeletal interactions, and synaptic plasticity (Dear et al., 2000 [PubMed 10964513]). CAPN14 belongs to the calpain large subunit family.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	85.4 kDa
AA Sequence	MLASSGSGLSGSYEDLQSGQVSEALVDFTGGVTMTINLAEAHGNLWDILIEATYNRT LIGCQTHSGEKILENGLVEGHAYTLTGIRKVTCKHRPEYLVKLRNPWGKVEWKGDW SDSSSKWELLSPKEKILLRKDNDGEFWMTLQDFKTHFVLLVICKLTPGLLSQEAAQ KWTYTMREGRWEKRSTAGGQRQLLQDTFWKNPQFLLSVWRPEEGRRSLRPCSVL VSLLQKPRHRCRKRKPLLAIGFYLYRMNKYHDDQRRLPPEFFQQRNTPLSQPDRFLK EKEVSQELCLEPGTYLIVPCILEAHQKSEFVLRVFSRKHIFYEIGSNSGVVFSKEIEDQ NERQDEFFTKFFEKHPEINAVQLQNLLNQMTWSSLSRQPFFSLEACQGILALLDLN

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ASGTMSIQEFRDLWKQLKLSQKVFKQDRGSGYLNWEQLHAAMREAGIMLSDDVC
QLMLIRYGGPRLQMDFVSFIHLMLRVENMEDVFQNLTDGKGIIYLQKPEWMMMALY
S

Applications

Enzyme-linked Immunoabsorbent; Assay Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

CAPN14 calpain 14 [Homo sapiens]

Official Symbol

CAPN14

Synonyms

CAPN14; calpain 14

Gene ID

440854

mRNA Refseq

NM_001145122

Protein Refseq

NP_001138594

MIM

610229

UniProt ID

A8MX76

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